

## NOVA Chemicals Novapol® TD-9022-C Superhexene LLDPE

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE) , Film Grade

**Material Notes:**

Puncture value is 60 J/mm. Additive Package: Antiblock. Applications: industrial liners, heavy duty packaging. Film properties are typical of 25 µm blown film extruded at a blow-up ratio of 2.5:1, but depend on operating conditions. Information supplied by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-TD-9022-C-Superhexene-LLDPE.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-TD-9022-C-Superhexene-LLDPE.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D792
Melt Flow	0.90 g/10 min @Load 2.16 kg, Temperature 190 °C	0.90 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Secant Modulus, MD	0.160 GPa	23.2 ksi	ASTM D882
Secant Modulus, TD	0.190 GPa	27.6 ksi	ASTM D882
Coefficient of Friction	>= 0.40	>= 0.40	ASTM D1894
Elmendorf Tear Strength, MD	18.0 g/micron	457 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	24.0 g/micron	610 g/mil	ASTM D1922
Dart Drop	18.0 g/micron	457 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	42.0 MPa	6090 psi	ASTM D882
Film Tensile Strength at Break, TD	35.0 MPa	5080 psi	ASTM D882

## Contact Songhan Plastic Technology Co.,Ltd.

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